CLAIMS

1. A data processing method including receiving input data containing a plurality of instruction codes, and judging whether or not a process executed based on the instruction codes contained in the received data is a malicious process, said method being characterized by comprising:

retrieving an instruction code related to a branch instruction from the data; storing a branch origin address associated with the retrieved instruction code and a branch destination address associated with a branch destination of the instruction code; judging whether or not an instruction code for calling an instruction code group for executing a predetermined process is associated with the branch destination address; storing a call destination address of the instruction code if the instruction code is associated with the branch destination address; and judging whether or not the stored call destination address is between the branch origin address and the branch destination address.

2. A data processor including means for receiving input data containing a plurality of instruction codes, for judging whether or not a process executed based on the instruction codes contained in the received data is a malicious process, said data processor being characterized by comprising:

means for retrieving an instruction code related to a branch

instruction from the data; means for storing a branch origin address associated with the retrieved instruction code and a branch destination address associated with a branch destination of the instruction code; means for judging whether or not an instruction code for calling an instruction code group for executing a predetermined process is associated with the branch destination address; storing a call destination address of the instruction code if the instruction code is associated with the branch destination address; means for judging whether or not the stored call destination address is between the branch origin address and the branch destination address; and means for outputting information indicating that the data is data for executing a malicious process if the call destination address is between the branch origin address and the branch destination address.

3. The data processor as set forth in claim 2, characterized by further comprising means for judging whether or not a predetermined character string is associated with a return address of the instruction code group, wherein if the character string is associated with the return address, the information indicating that the data is data for executing a malicious process is outputted.

4. A data processor including means for receiving input data containing a plurality of instruction codes, for judging whether or not a process executed based on the instruction codes contained in

the data received by the means is a malicious process, said data processor being characterized by comprising:

means for retrieving an instruction code for calling an instruction code group for executing a predetermined process from the data; means for judging whether or not a predetermined character string is associated with a return address of the instruction code group; and means for outputting information indicating that the data is data for executing a malicious process if the character string is associated with the return address.

5. A data processor including means for receiving input data containing a plurality of instruction codes, for judging whether or not a process executed based on the instruction codes contained in the data received by the means is a malicious process, said data processor being characterized by comprising:

means for retrieving an instruction code for calling an instruction code group for executing a predetermined process from the data; means for judging whether or not an instruction code for obtaining a return address of the instruction code group is contained in the instruction code group if the instruction code is retrieved; and means for outputting information indicating that the data is data for executing a malicious process if the instruction code is contained in the instruction code group.

6. A computer program including a step of causing a

computer to judge whether or not a process executed based on input data containing a plurality of instruction codes is a malicious process, characterized by comprising:

a step of causing the computer to retrieve an instruction code related to a branch instruction from the data; a step of causing the computer to store a branch origin address associated with the retrieved instruction code and a branch destination address associated with a branch destination of the instruction code; a step of causing the computer to judge whether or not an instruction code for calling an instruction code group for executing a predetermined process is associated with the branch destination address; a step of causing the computer to store a call destination address of the instruction code if the instruction code is associated with the branch destination address; and a step of causing the computer to judge whether or not the stored call destination address is between the branch origin address and the branch destination address.

7. A computer-readable memory product storing a computer program including a step of causing a computer to judge whether or not a process executed based on input data containing a plurality of instruction codes is a malicious process, characterized in that the stored computer program comprises:

a step of causing the computer to retrieve an instruction code related to a branch instruction from the data; a step of causing the computer to store a branch origin address associated with the

retrieved instruction code and a branch destination address associated with a branch destination of the instruction code; a step of causing the computer to judge whether or not an instruction code for calling an instruction code group for executing a predetermined process is associated with the branch destination address; a step of causing the computer to store a call destination address of the instruction code if the instruction code is associated with the branch destination address; and a step of causing the computer to judge whether or not the stored call destination address is between the branch origin address and the branch destination address.